

IMMUNO-ANALYTICAL METHOD FOR AMPHETAMINES AND REAGENT THEREOF

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Inventor(s): SAITO SUMIYASU; others: 07
Applicant(s): FUJISAWA PHARMACEUT CO LTD
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Abstract

PURPOSE: To discriminately detect the amphetamine and methamphetamine in humor by the antibody obtained by sensitizing the high polymer material bound on the benzene ring of amphetamines with warm-blooded animal.

CONSTITUTION: The composite of a high polymer material, for example, (P)-N= N-(Q) or (P)-(CH₂)_nNH-(Q) bound on the benzene ring through a spaur for providing immunogenic to the amphetamines expressed by the formula (I) and a high polymer material is injected subcutaneously or muscularly into warm-blooded animal, and after a fixed period, the blood of said animal is sampled, whereby the antibody is obtained. The immuno-analytical method of the amphetamines obtained in this way permits straight application of known methods, and has virtually no cross reactivity with the methamphetamine of the amphetamine antibody.